PB85-213833

Superfund Record of Decision (EPA Region 3)
McAdoo Site, Pennsylvania (Initial
Remedial Measure), February 1983

(U.S.) Environmental Protection Agency
Washington, DC

11 Feb 83

U.S. Department of Commerce
National Technical Information Service

EPA

Superfund Record of Decision:

PB85-213833

McAdoo Site, PA (IRM)

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO.	2.	3. RECIPIENT'S ACCESSION NO.
EPA/ROD/R03-84/006		PB85 213833/AS

4. TITLE AND SUBTITLE	5. REPORT DATE
SUPERFUND RECORD OF DECISION McAdoo Site, PA	02/11/83
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)	8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT NO.
Same as box 12.	11. CONTRACT/GRANT NO.
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency 401 M Street, S.W. Washington, D.C. 20460	13. TYPE OF REPORT AND PERIOD COVERED Final ROD Report
	14. SPONSORING AGENCY CODE 800/00

15. SUPPLEMENTARY NOTES

16. ABSTRACT

The site, which is approximately one-quarter acre in size, was used originally for storage of heating oil and gasoline. The site was purchased in 1972 by a waste disposal firm that used the underground tanks to store a variety of liquid and hazardous wastes. EPA analysis of the tank contents identified a wide variety of organic and inorganic chemicals, including benzene, methylene chloride, toluene, arsenic, chromium, and nickel.

The cost-effective initial remedial measures (IRM) selected for this site include cleaning and removal of underground waste storage tanks and excavating and off-site disposal visibly contaminated soil. Additional soil analyses will be performed to determine if further site action is necessary. The estimated cost for this IRM is approximately $114,500.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Record of Decision McAdoo, PA Contaminated media: gw, soil Key contaminants: Organic solvents (benzene, toluene, methlyene chloride), inorganics (arsenic, chromium, nickel)		

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
	None	8
	20. SECURITY CLASS *(This page)*	22. PRICE
	None	$7.00

EPA Form 2220-1 (Rev. 4-77) PREVIOUS EDITION IS OBSOLETE

RECORD OF DECISION

INITIAL REMEDIAL MEASURES SELECTION

Site: McAdoo, Blaine Street, Borough of McAdoo, Pennsylvania

Documents Reviewed

I have reviewed the following documents describing the site and the need for Initial Remedial Measures for the McAdoo, Blaine Street Site:

- Study titled, "Site Inspection of McAdoo Associates-Blaine Street Site (PAYSO)," June 3, 1981.
- Study titled, "McAdoo/Blaine Street Site, Drums Sampling and Tank Leak Determination, Supplemental Report," March 18, 1982.
- Work Plan, Initial Remedial Measures, McAdoo Borough
- Staff summaries and recommendations
- Recommendations by the Pennsylvania Department of Environmental Resources

Selected Action

This IRM will include the cleaning and removal of underground waste storage tanks at the Blaine Street site. Visibly contaminated soil will be excavated for offsite disposal, and soil samples will be taken for laboratory analysis. A supplemental ROD will be prepared after the results of the soil samples have been evaluated. The supplemental ROD will include a recommendation for further site action, or for no action.

Declarations

Consistent with the Comprehensive Environmental Response, Compensation and Liability Act of 1980, and the National Oil and Hazardous Substances Contingency Plan, I have determined that removing the underground tanks and excavating or encapsulating potentially contaminated soil are appropriate Initial Remedial

Measures for the problems at this site. The initial remedial measures described above are feasible, cost-effective, and necessary to limit the exposure or threat of exposure to a significant health or environmental hazard. Moreover, to the extent that off-site treatment is necessary, it is more cost effective than other forms of remedial action.

Thomas P. Eichler
Regional Administrator

JUN 5 1984

Initial Remedial Measures Alternative Selection
McAdoo, Blaine Street Site
Borough of McAdoo, Pennsylvania

Record of Decision Summary Sheet

EPA has completed the following activities at the McAdoo, Blaine Street Site, located in McAdoo Borough, Pennsylvania:

Activity	Date Completed
1. Site Inspection	May 27, 1981
2. Sampling and Tank Evaluation	March 18, 1982
3. IRM Work Plan	October 1, 1983
4. Public Meeting	November 2, 1983

Region III has reviewed the site information and has given careful consideration to comments received from the public. Based on our review, EPA Region III has determined that the following action at the site is cost effective and effectively mitigates and minimizes damage to, and provides adequate protection of the public health, welfare, and the environment:

Action	Estimated Cost
Cleaning and removal of underground tanks; excavation or encapsulation of any contaminated soil	$114,500

April 9, 1984
Date

Thomas P. Eichler
Regional Administrator

Narrative Summary
McAdoo, Blaine Street Site

History

The underground storage tanks at the Blaine Street Site, in McAdoo, Pennsylvania, were used for a heating oil and gasoline business until 1972. The site, which is approximately one-quarter acre in size, was purchased in 1972 by a waste disposal firm called McAdoo Associates, PAYSO, Inc. The four underground tanks were used to store a variety of liquid hazardous wastes. The wastes disposal firm also ran an associated facility in Kline Township, adjacent to the Borough, and both sites are referred to as the McAdoo Superfund Project. The disposal firm's activities were stopped in 1979 by the Pennsylvania Department of Environmental Resources. This is the State Priority Site in Pennsylvania.

Current Status

In 1981, EPA analysis of the tank contents identified a wide variety of organic and inorganic chemicals, including benzene, methylene chloride, toluene, arsenic, chromium and nickel. A statistical analysis of the tanks concluded that there was at least an 80% chance that the tanks had leaked. This conclusion was based on the nature of local soils, the contents of the tanks, and the age of the tanks.

Of special concern is the fact that the municipal water supply well for the Borough of McAdoo is within 900 feet of the Blaine Street site. This well serves 1200 local residents, and it is the only municipal well in the area.

As a result of negotiations with potentially responsible parties, 11,000 gallons of waste liquid were pumped from the underground tanks at Blaine Street in July, 1982. These negotiations ended in August, 1983, when the responsible parties informed EPA that they were unwilling to finance any additional work at the site.

The "No Action" alternative for this IRM was rejected because of the high probability of tank failure, and the site's proximity to a municipal water supply well. The proposed action includes removal of the tanks and examination of the underlying soil. This is the most effective way of determining the nature and extent of site contamination problems, because it is likely that any leakage from the tanks has migrated vertically, rather than laterally. Such migration would be expected due to the porous nature of the soil and local coal mining activity.

State Recommendation

After giving careful consideration to the alternatives and to the public comments that were received, the Pennsylvania Department of Environmental Resources also concurs in this recommendation. A letter supporting the State's recommendation appears in Attachment A.

Proposed Action

We request your approval of the cleaning and removal of underground tanks, the removal of contaminated soil, and the sampling of subsurface soils for the IRM at the McAdoo, Blaine Street Site, and an allocation of $114,500 for this project.

Tentative Schedule

A public meeting for this project has already been held, and initial site work has been completed. Removal of the tanks would take approximately two weeks, and work could begin within a month of project approval.

If you have any questions, please call Eric W. Johnson at (FTS) 597-4561.

Attachments